

**Notice of Allowability**

Application No.

10/609,110

Examiner

Mary C. Baran

Applicant(s)

SULIMAN ET AL.

Art Unit

2857

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to the arguments and amendments filed 24 April 2007.
2. ☒ The allowed claim(s) is/are 1-47.
3. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
  - a) ☐ All   b) ☐ Some\*   c) ☐ None   of the:
  1. ☐ Certified copies of the priority documents have been received.
  2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
  3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

\* Certified copies not received: \_\_\_\_\_.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.

**THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.**

4. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
  5. ☐ CORRECTED DRAWINGS ( as "replacement sheets") must be submitted.
    - (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review ( PTO-948) attached
      - 1) ☐ hereto or 2) ☐ to Paper No./Mail Date \_\_\_\_\_.
    - (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date \_\_\_\_\_.
- Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

**Attachment(s)**

1. ☒ Notice of References Cited (PTO-892)
2. ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
3. ☐ Information Disclosure Statements (PTO/SB/08),  
Paper No./Mail Date \_\_\_\_\_
4. ☐ Examiner's Comment Regarding Requirement for Deposit  
of Biological Material
5. ☐ Notice of Informal Patent Application
6. ☐ Interview Summary (PTO-413),  
Paper No./Mail Date \_\_\_\_\_
7. ☐ Examiner's Amendment/Comment
8. ☒ Examiner's Statement of Reasons for Allowance
9. ☐ Other \_\_\_\_\_

**DETAILED ACTION**

***Response to Amendment***

1. This action is responsive to the Amendments filed 24 April 2007. Claims 1-47 are pending. Claims 1, 20 and 34 are amended.

***Allowable Subject Matter***

2. Claims 1-47 are allowed.

3. The following is an examiner's statement of reasons for allowance:

Claims 1-19 are allowable over the prior art because a system comprising: a voltage sampling circuit coupled to the plurality of generators to sample voltage levels of the power network, wherein a sampling rate of the voltage sampling circuit is greater than a frequency of the power supplied to the power network; and a trigger circuit coupled with the sampling circuit to, in response to a triggering event based on the voltage level of the power network, cause samples to be stored, wherein the triggering event comprises voltage fluctuations in which the voltage level of the power network either drops below a predetermined percentage of turbine rated voltage or exceeds a predetermined percentage of the turbine rated voltage. This combination of limitations is not found, taught or suggested in the prior art of record.

Claims 20-33 are allowable over the prior art because a method comprising: monitoring a voltage output from a plurality of wind turbine generators coupled to a power network by sampling voltage levels of the power network, wherein a sampling

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rate of the voltage sampling circuit is greater than a frequency of the power supplied to the power network; and determining whether the sampled voltage levels are within a predetermined operating range based on rated voltage of the wind turbine generators. This combination of limitations is not found, taught or suggested in the prior art of record.

Claims 34-47 are allowable over the prior art because an article comprising a computer-readable medium having stored thereon instructions that, when executed, cause one or more processors to: monitor a voltage output from a plurality of wind turbine generators coupled to a power network by sampling voltage levels of the power network, wherein a sampling rate of the voltage sampling circuit is greater than a frequency of the power supplied to the power network; and determine whether the sampling voltage levels are within a predetermined operating range based on the rated voltage of the wind turbine generators. This combination of limitations is not found, taught or suggested in the prior art of record.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

***Conclusion***

4. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

(a) Hoepken teaches a device for actuating an electromagnet.

(b) Eggers et al. teach a turbine engine igniter exciter circuit.

(c) Spencer et al. teach a method and apparatus for adaptive configuration and control in a network of electronic circuit breakers.

(d) Andow teaches an information data output device for electric-power systems.

5. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Mary C. Baran whose telephone number is (571) 272-2211. The examiner can normally be reached on Monday to Friday 9:00-5:00.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Eliseo Ramos-Feliciano can be reached on (571) 272-7925. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

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Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

4 June 2007

  
ELISEO RAMOS-FELICIANO  
SUPERVISORY PATENT EXAMINER